

Marine isopod crustaceans of Seto Inland Sea  
deposited at the Toyama Science Museum  
2. Suborder Valvifera\*

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富山市科学文化センター所蔵の瀬戸内海産等脚目甲殻類  
II. ヘラムシ類

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富山市科学文化センターに所蔵されている瀬戸内海産等脚目甲殻類の標本ならびに筆者の調査した等脚類標本について、第2報ではヘラムシ亜目について扱い、オオメヘラムシ *Euidotea ocellata* Nunomura の再記載を含む8種を報告した。本海域では、特にオヒラキヘラムシとヘリキレワジヘラムシの2種が多産していた。なお、本博物館の瀬戸内海産等脚類標本の多くは永田樹三博士の採集になる藻場を中心としたコレクション、並びに筆者自身の採集によるもの等が中心である。

なお、本研究は水産無脊椎動物研究所の助成金を使用した。

Suborder Valvifera ヘラムシ亜目

Family Idoteidae ヘラムシ科

- Euidotea ocellata*, Nunomura, 1984 オオメヘラムシ  
*Synisoma pacificum* Nunomura, 1974 クロシオナガヘラムシ  
*Cleantiella isopus* (Grube, 1932) イソヘラムシ  
*Cleantiella strasseni* (Thielemann, 1910) オヒラキヘラムシ  
*Cleantoides planicauda* (Benedict, 1899) ホソヘラムシ  
*Synidotea hikigawaensis* Nunomura, 1974 ヘリキレワラジヘラムシ  
*Synidotea laevidorsalis* (Miers, 1833) ワラジヘラムシ

Family Chaetiliidae ヤリボヘラムシ科

- Symmius caudatus* Richardson, 1904. ヤリボヘラムシ

Succeeding to the previous paper (Nunomura, 1993), this paper intended to represent the subfamily Valvifera, including redescription of *Euidotea ocellata* Nunomura.

Family Idoteidae

- Euidotea oceiata* Nunomura, 1984  
(Jap.name: Oome-heramushi, Nunomura)

Fig.1

*Material examined*: 3♀♀ (4.9~8.0mm in body length), Eisenia bed. Misaki-cho, Enime Pref.,

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\* Contribution from the Toyama Science Museum No.182.

Pref., coll. Kizo Nagata. Nov., 24, 1976. The present specimens are deposited at the Toyama Science Museum (TOYA-Cr 12467-12469).

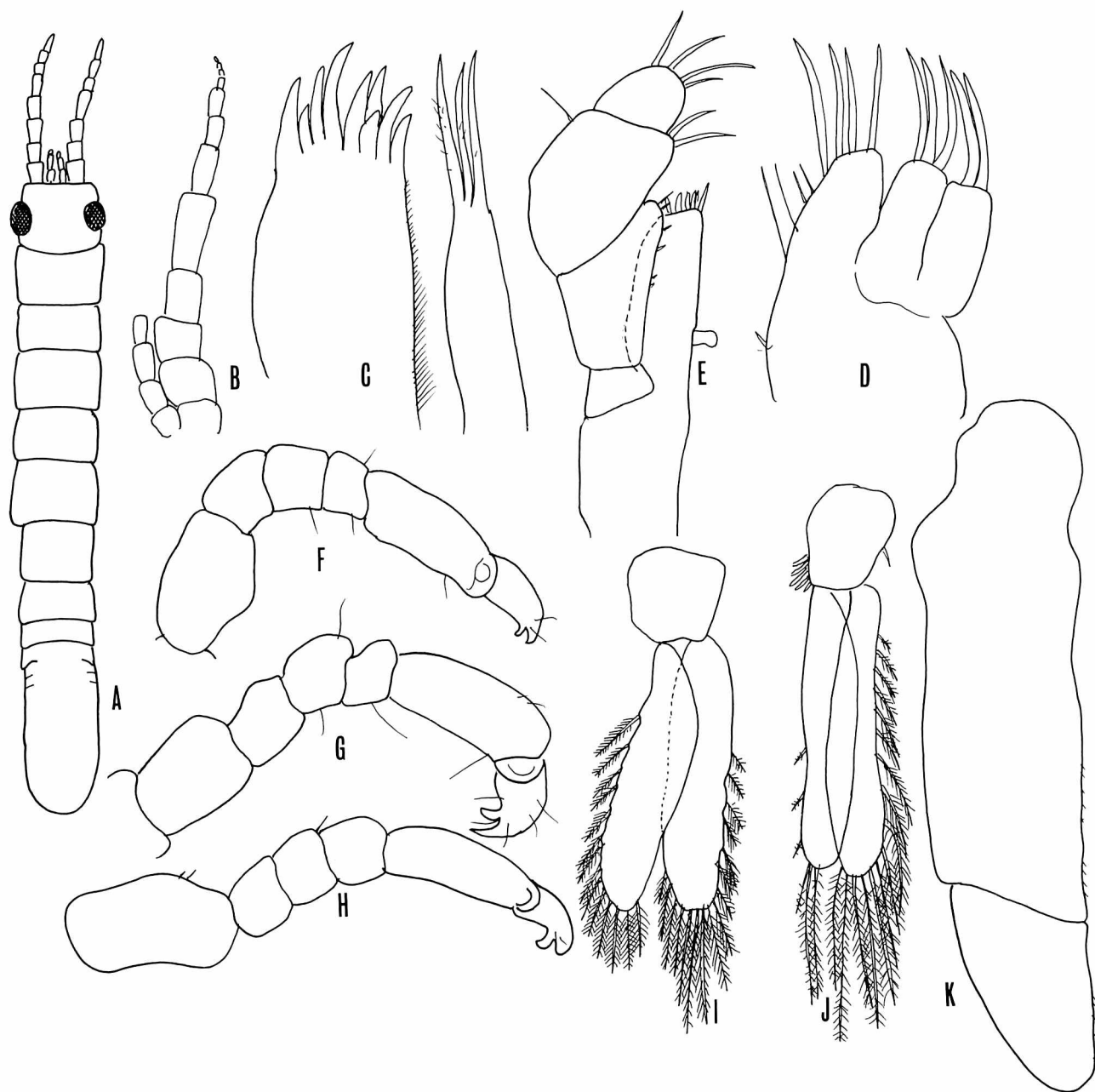


Fig.1 *Euidotea ocellata* Nunomura, 1984

A.Dorsal view; B.Both antennae; C.maxillula; D.Maxilla; E.maxilliped; F. Pereopod 2; G.Pereopod 6; H.Pereopod 7; I.Pleopod 2; J.Pleopod 4; K.Uropod.  
(All: Female specimen from Eisenia bed from Ehime Pref.)

*Redescription* : Body elongated, 7 times as long as wide. Body almost same width from cephalon to the end. Pleon with 3 pairs of indistinct suture lines. Pleotelson long and parallel and its tip is rounded. Color dull yellow in alcohol. Anterior end of cephalon straight; lateral margin slightly convex.

Antennule (Fig.B) relatively short, 4-segmented; first segment stout; second to third segments rectangular; terminal segment without aesthetasc.

Antenna (Fig.B), reaching the second segments segmented; composed of 12 segments.

Right mandible. pars incisiva 4-headed; lacinia mobilis 3-headed; 2 hairy bristles; processus molaris wide. Palp lacking.

Left mandible. Pars incisiva 2-headed; lacinia mobilis 2-headed; Palp lacking.

Maxillula (Fig.C); outer lobe with 9 setae. Inner lobe with 3 long serrated teeth.

Maxilla (Fig.D); Inner lobe with 4 pectinated spines; Outer lobe somewhat longer than inner lobe; each ramus subequal in length inner one with 3 setae and outer one with 2 setae.

Maxilliped (Fig.E). Endite rectangular with a coupling hook on lateral border and 6 teeth on distal margin. Palp 4-segmented; first segment small; second segment rectangular with 6~7 small setae on inner margin; third segment

big and with a setae on outer margin and 2 setae on inner margin; terminal segment semicircular with 4 setae on the margin.

All the pereopods (Figs.F-H) almost similar in shape; basis relatively stout; ischium almost square; merus as long as ischium with 1~2 long setae; carpus almost as long as basis; propodus stout and recurved outwards; declytus bifid.

All the pleopods (Fig.I- J) similar; basis almost square; endopod lanceolate; expodpod lanceolate with many setae.

Uropods (Fig.K) basis square; endopod 2-segmented, basal segment rectangular, terminal segment round.

*Remarks* : Type series of this species was reported from Toyama Bay, off Noto-cho by Nunomura (1984), but his description about the mouth part, there was a serious mistakes, and all the specimens were restricted to male. Therefore, redescription of this species was carried out including some minute differences. The female specimens described here have some differences the type specimen from Noto in the following features: (1) number of flagellum of antenna, (2) absence of flagellum of tip of antennula, (3) less numerous setae on maxilla, (4) less numerous setae on maxilliped (5) number of teeth of pars incisiva on the right mandible. It is difficult to judge whether they are differences between the sex or geographical difference.

*Synisoma pacificum* Nunomura, 1974

(Jap.name : Kuroshio-nagaheramushi)

*Material examined* : 3exs, Eosemnia Ohba, Misaki-cho, Ehime, coll. Kizo Nagata ;. Nov 12, 1976.

*Cleantiella isopus* (Grube, 1833)

(Jap. name : Iso-heramushi)

*Material examined* : 2exs, Maejima, Ushimado, Okayama-Noboru Nunomura, May, 31, 1993 ; 13exs, Kyubro-jima, Nakajima, Ehime Pref., Oct. 7, 1991.

*Cleantiella strasseni* (Thielemann, 1910)

(Jap. name : Ohiraki-heramushi)

*Material examined* : 180exs, Sargassum bed, Ryouzaki, Oita Pref., coll. Kizo Nagata, May 19, 1977 ; 24exs, Sargassum bed, Sumiyoshizaki, Oita Pref., ; 24exs, Sargassum bed, Ryouzaki, Oita Pref., coll. Kizo Nagata, Nov. 14, 1977 ; 27exs, Sargassum bed, Ryouzaki, Oita Pref., coll. Kizo Nagata, June 13, 1978 ; 2exs, Sargassum bed, Ryouzaki, Oita Pref., coll. Kizo Nagata, June 15-16, 1976 ; 3exs, Sargassum bed, Sumiyoshi-zaki, Oita Pref., coll. Kizo Nagata, June 15-16, 1976 ; 63 exs, Sargassum bed, Ryouzaki, Oita Pref., coll. Kizo Nagata, Nov. 16, 1976 ; 12exs, Sargassum bed, Sumiyoshi-zaki, Oita Pref., coll. Kizo Nagata, Nov. 16, 1976.

*Cleantoides planicauda* (Benedict, 1899)

(Jap.name : Hosoh-heramushi)

*Material examined* : 1ex, Sargassum bed, Ryouzaki, Oita Pref., coll. Kizo Nagata, May 19, 1977.

*Synidotea hikigawaensis* Nunomura, 1974

(Jap.name : Herikire-waraji-heramushi)

*Material examined* : 1ex, Sargassum bed, Ryouzaki, Oita Pref., coll. Kizo Nagata, May 19, 1977 ; 1ex, Sargassum bed, Sumiyoshizaki, Oita Pref., coll. Kizo Nagata, May 19, 1977 ; 69exs, Tengusa, Handa, Misaki cho., coll. Kizo Nagata ; Ehime Pref., Oct. 31, 1977 ; 38exs, Sargassum bed, Ryouzaki, Oita Pref., coll. Kizo Nagata, June 13, 1978.

*Synidotea laevidorsalis* (Miers, 1833)

(Jap.name : Waraji-heramushi)

*Material examined* : 1♀, Kizawa, Sakaide City, Kagawa Pref., coll. Sin'ichiro Fuse, Mar. 1985 ; 1ex, Ulva bed, Yamaguchi Bay, July 14, 1976.

Family Chaetiliidae

*Symmius caudatus* Nunomura, 1904.

(Jap. name : Yaribo-heramushi)

*Material examined* : 1♀, Akiho Bay, Yamaguchi Pref., coll. Kizo Nagata, July 12-13, 1976.

Acknowledgement

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